

ABSTRACT

A computer system may include one or more hosts and a plurality of data storage devices for providing multihop system calls. The data storage devices are interconnected and also connected to the one or more hosts. Each data storage device classifies a data operation as a system call, a remote system call, or a multihop system call. Also described is a multipath multihop system call in which one or more communication paths may be selected using predetermined and/or dynamic communication path selection techniques. The number of communication paths determined may be in accordance with parameters that are included in a multipath multihop system call, tunable system parameters, or a combination of the foregoing.